

Abstract: Methods, medium, and machines which compress, enhance, encode, transmit, decompress and display digital video images in real time. Real time compression is achieved by sub-sampling each frame of a video signal, filtering the pixel values, and encoding. Real time transmission is achieved due to high levels of effective compression. Real time decompression is achieved by decoding and decompressing the encoded data to display high quality images. Receiver can alter various setting including but not limited to the format for the compression, image size, frame rate, brightness and contrast.